



PATENT ABSTRACTS OF JAPAN

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(21) Application number: **2002103797**(22) Date of filing: **05.04.2002**(71) Applicant: **MITSUBISHI PLASTICS IND LTD**(72) Inventor: **MIYAGAWA MICHINARI****(54) SEPARATOR FOR FUEL CELL****(57) Abstract:**

PROBLEM TO BE SOLVED: To provide a separator for a fuel cell, particularly a solid polyelectrolyte fuel cell satisfying both current collecting performance and formability, and strength and corrosion resistance.

SOLUTION: The separator for the fuel cell is provided

with a resin conductive layer 12 by mixing resin with conductive filler on at least one face of a metal substrate 11. It is characterized by that the resin conductive layer has at least a first resin layer 13 with volume resistivity of $\leq 1.0 \Omega\text{cm}$, and a second resin layer 14 forming a surface of the resin conductive layer and having volume resistivity smaller than the first resin layer.

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